

Retro-Graphics,TM TI Style. Strong Gets Stronger.



It just makes sense. If you can successfully marry *two* strong ideas, the result will almost assuredly be *one* stronger idea. Example — Texas Instrument's recently introduced OPTI 900TM Model 940 Electronic Video Terminal. Clearly, the Model 940 fits the "strong idea" mold, combining the power of an editing terminal and the convenience of video display.

But what makes strong stronger here is an idea of ours. The idea is the Retro-Graphics enhancement, an idea that adds one impressive feature to TI's Model 940 — *graphics*. Full-featured graphics. With complete emulation of Tektronix[®] 4010 Series terminals. With two graphics bit planes for multiple intensity levels or multiple pages of graphics display. With arc drawing, vector drawing, and point plotting capabilities. With area fill, selective erase, and an enhanced text mode. With an interactive cross hair cursor and an optional light pen. And, of course, complete compatibility with industry-standard graphics software, including ISSCO's[®] DISSPLA[®] and TELLAGRAF[®] and Tektronix PLOT 10TM.

Strong get stronger. It's a fact that Retro-Graphics has proven time and again. With Lear Siegler's Dumb Terminal[®] displays. With DEC'sTM VT100TM terminal. And now, with the Model 940, TI's self-proclaimed "screen star," Retro-Graphics is making it shine just that much brighter.



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Retro-Graphics, TI Style.TM

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Strong gets stronger. It's a fact that Retro-Graphics has proven in thousands of terminals in the four years since Digital Engineering created the idea. And now with the Model 940, TI's self-proclaimed "screen star," Retro-Graphics is making it shine just that much brighter.

Specifications

Retro-Graphics

Model TX720S

Display Technology Raster Scan

Display Medium Cathode ray tube, P4 phosphor

Display Area 8 inches (20.3 cm) wide by 6 inches (15.2 cm) high

Resolution 720 horizontal by 272 vertical

Operating Modes

Transparent Mode Retains standard terminal alphanumeric features

- Operator selectable 80 or 132 columns
- 25th status line
- Scrolling regions
- Vertical and horizontal screen splits
- Automatic display disable
- Formatted or unformatted displays
- One page of memory, 1,920 characters
- 128 displayable ASCII characters
- 7 x 9 dot matrix character font
- Reverse screen video and character highlighting
- Up to 16 operator programmable character string keys
- Operator selectable contrast control, key click, margins and audible alarm
- Interactive or block transmission mode

Tektronix

Compatibility

Text Mode 34 lines x 80 characters
Blinking underline alphanumeric cursor

Full ASCII character set

Vector Mode Draws vectors automatically from vector endpoint coordinates

Maximum vector drawing time: 25 msec

Point Modes Point plot mode:

absolute addressing of points
Incremental point mode: relative addressing, 1 of 8 directions

Crosshair Cursor Mode Crosshair cursor controlled by 4 keyboard arrow keys

Enhanced Graphics Features

Second Graphics Bit Plane Provides two modes of graphics display:

Grey Scale: Four levels of data intensity (including black and white)
Multiple Pages: Simultaneous or separate display of two graphics pages

Enhanced Text Mode Graphics text characters are defined by height, width, line angle, fixed or proportional spacing. Full ASCII, APL and MATH character sets

Arc Drawing Mode User can define arc line by specifying center point, radius and starting and ending angles

Area Fill Mode Automatically fill any closed shape

Line Formats Mode independent formats for solid, dotted, dashed line

Selective Erase Mode independent selection of light, dark or complement of data intensity level

Light Pen Mode (option) Graphics interaction using optional light pen

Printer Interface (option) Provides for connection to a variety of serial and parallel interface graphics printers

Software Compatibility Retro-Graphics is compatible with most graphics software packages (with Tektronix 4010 drivers) including the following:
ISSCO[®] DISSPLA[®] and TELLAGRAF[®]

TEKTRONIX PLOT 10,TM TCS, IGP
PRECISION VISUALS DI-3000TM
SIGNAL TECHNOLOGY ILS[®]

Computer Interfaces EIA RS-232C, switch selectable parity (even, odd, or none), full or half duplex, and independent transmit and receive rate of 50, 75, 110, 134.5, 150, 200, 300, 600, 1200, 1800, 2000, 2400, 3600, 4800, 9600 baud (bits/sec)

Physical Specifications

Keyboard Detached keyboard with 6-foot (183-cm) coiled cord

Dimensions (inches)

Monitor: 14.88 H x 18 W x 16 D

Keyboard: 3.38 H x 19.66 W x 7.88 D

Combined: 14.88 H x 19.66 W x 20 D

Weight 33 lbs. (16.2 kg)

Power 90-130V RMS, 180-260V RMS; 47-63 Hz

Specifications are subject to change without notice.

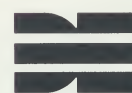
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